SECTION 430

REMOVAL OF TRAFFIC SIGNAL PRESSURE DETECTOR

430.1 GENERAL

The work covered by this section consists of furnishing all labor, equipment, materials, and incidentals necessary for the removal and disposal of existing traffic signal pressure detectors and removal and replacement of pavement, as specified herein.

430.2 REFERENCES

430.2.1 ASTM
D 1557

430.2.2 This publication:
SECTION 336
SECTION 343

430.3 MATERIALS

Replacement of pavement shall be with asphalt concrete as described in Section 336.

430.4 REMOVAL METHODS

430.4.1 Prior to removal CONTRACTOR shall verify with Traffic engineering that detector is inactive. Traffic signal pressure detectors shall be removed by means and methods such that no adjacent pavement to remain in place is damaged. At any intersection, only one detector on any leg shall be worked on at any one time.

430.4.2 Prior to removing the detector, the pavement shall be marked with smooth, horizontal lines a distance of six inches (6") around the perimeter of the concrete foundation. Then, the pavement shall be saw cut with a power saw along these lines to a depth sufficient to permit removal without damaging adjacent pavement. Any unnecessary irregular breaking caused by the CONTRACTOR shall be replaced at no additional expense to the City. Any irregular breakage regardless of the cause shall be trimmed back as required by the ENGINEER. After the cut is made, the pavement shall be removed around the perimeter of the detector according to Section 343.

430.4.3 Existing conduit shall then be disconnected and the detector removed by whatever means necessary so that adjacent pavement remains undamaged.

430.5 PAVEMENT REPLACEMENT

430.5.1 All loose and foreign material shall be removed and the base smoothed and compacted. Subbase material shall be placed and compacted to 95 percent of maximum density, as determined by ASTM D 1557. The top of the subbase material shall be 8 inches below the surface of the adjoining pavement.

430.5.2 If the adjacent pavement is asphaltic concrete, then the following procedure for pavement replacement shall apply. Asphalt tack coat shall then be applied. An asphalt concrete base course, 1500-lb. stability, shall be placed in maximum 4-inch lifts to within one and one-half inches of the surface of the adjacent pavement. A one and one-half inch asphalt concrete surface course, 1800-lb. stability, shall be placed over the base course to match the grade of the existing surface.

430.5.3 If the adjacent pavement is Portland cement concrete, pavement replacement shall meet the Standard Specifications for Portland Cement Concrete Pavement.

430.6 MEASUREMENT AND PAYMENT

The removal of pavement and pressure detector, disconnection of conduit, and placement of pavement materials, as specified shall be considered a complete construction item. Pay shall be made at the unit price per each detector, as specified in the Bid Proposal.